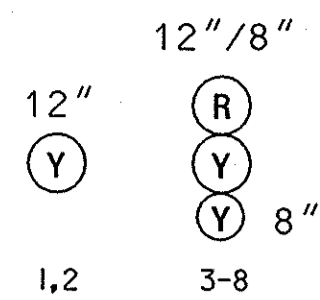
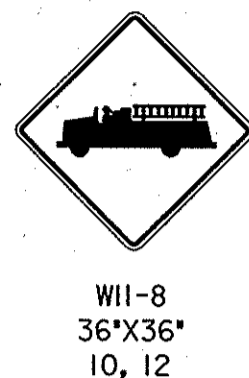


PROPOSED SIGNALS



PROPOSED SIGNS

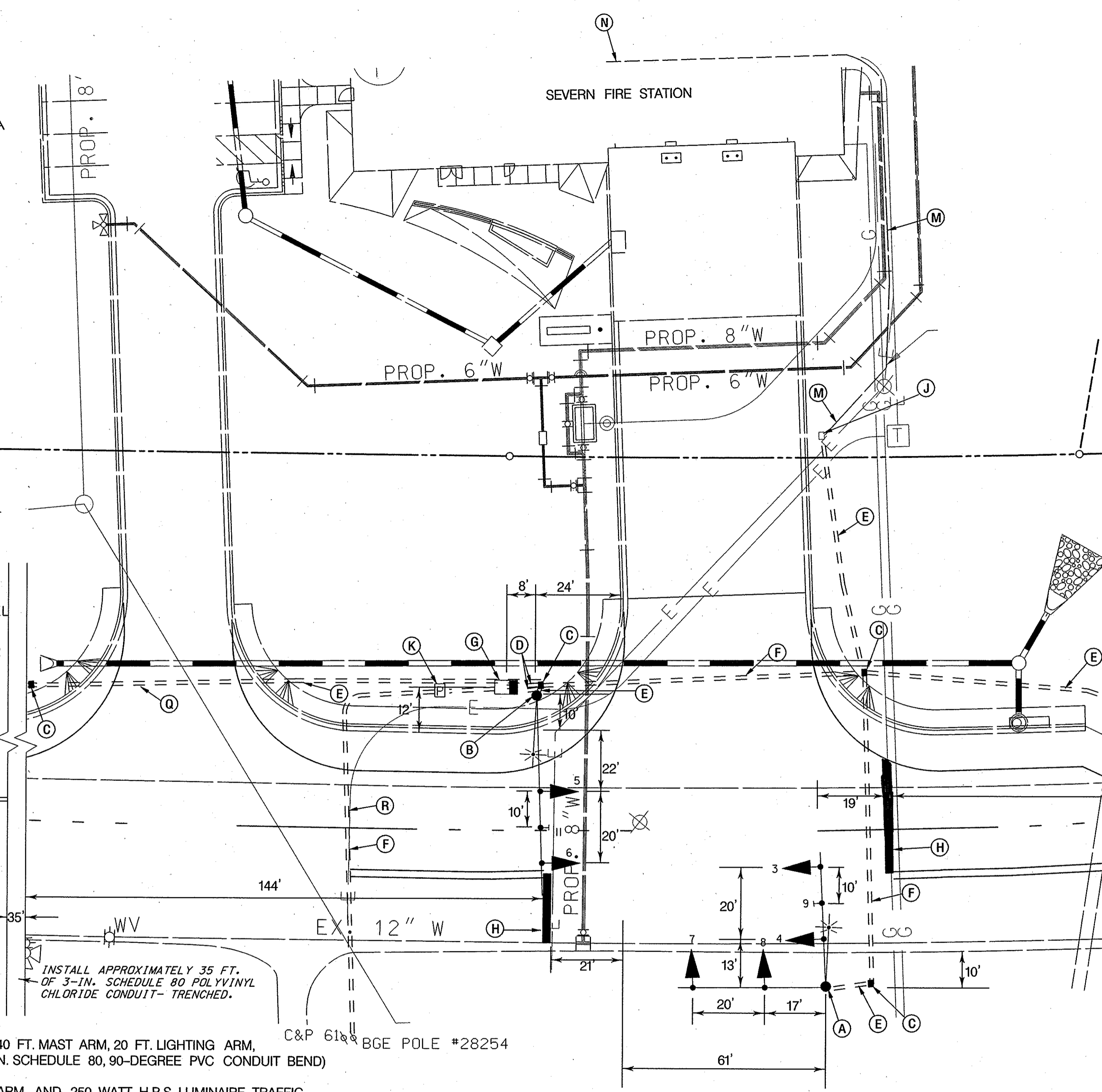
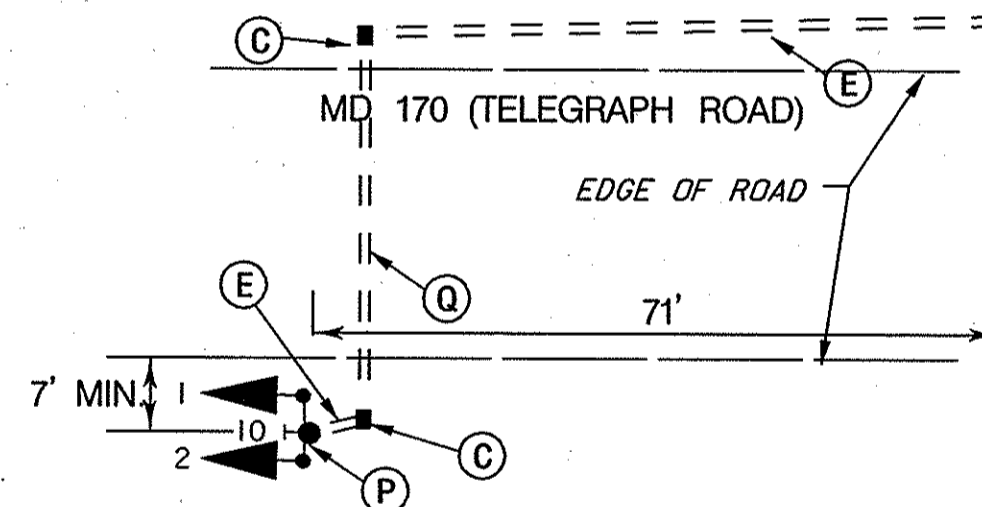


FIREHOUSE SIGNAL

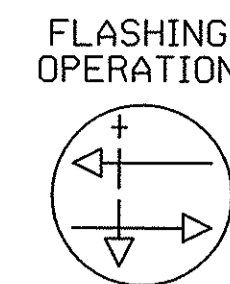
W11-8(1)
72"X36"
9, 11

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
2. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
3. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCCELL.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
5. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
6. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.



NEMA PHASING



NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

- INSTALL ONE 27 FT. STEEL POLE WITH ONE 36 FT. MAST ARM AND ONE 40 FT. MAST ARM, 20 FT. LIGHTING ARM, TRAFFIC SIGNAL HEADS, SIGNS AND CONCRETE FOUNDATION (NOTE: 1-3 IN. SCHEDULE 80, 90-DEGREE PVC CONDUIT BEND)
- INSTALL ONE 27 FT. STEEL POLE WITH 55 FT. MAST ARM, 20 FT. LIGHTING ARM AND 250 WATT H.P.S. LUMINAIRE, TRAFFIC SIGNAL HEADS, SIGNS AND CONCRETE FOUNDATION (NOTE: 1-3 IN. SCHEDULE 80, 90-DEGREE PVC CONDUIT BEND)
- INSTALL ELECTRICAL HANDHOLE
- INSTALL 4 IN. SCHEDULE 80 POLYVINYL CHLORIDE CONDUIT - TRENCHED.
- INSTALL 3 IN. SCHEDULE 80 POLYVINYL CHLORIDE CONDUIT - TRENCHED.
- INSTALL 4 IN. SCHEDULE 80 POLYVINYL CHLORIDE CONDUIT - BORED.
- FURNISH AND INSTALL NEMA TYPE 6 TRAFFIC SIGNAL CABINET.
- INSTALL 24 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING TAPE (STOP LINE).
- USE EXISTING HANDHOLE.
- FURNISH AND INSTALL METERED SERVICE PEDESTAL.
- INSTALL W11-8 SIGN ON ONE 4 IN. X 4 IN. WOOD POST, APPROXIMATELY 250 FT. IN ADVANCE OF THE STOPLINE.
- USE EXISTING EMPTY CONDUIT PROVIDED BY OTHERS.

- INSTALL TWO PUSH BUTTONS IN FIRE STATION AS DIRECTED BY THE PROJECT ENGINEER AND CONNECT TO THE SIGNAL CONTROLLER USING TWO 2- CONDUCTOR CABLES. A SIGN INDICATING WHICH PUSHBUTTON PRE-EMPTS THE MD 170 AT MD 174 SIGNAL SHALL BE PROVIDED WITH THE PUSH BUTTONS. CONTACT MATT TOBIA 410-222-8204 TWO WEEKS PRIOR TO INSTALLING CABLES AND PUSHBUTTONS TO ARRANGE FOR ACCESS TO THE FIRE STATION.
- INSTALL A 20 FT. BREAKAWAY PEDESTAL POLE AND BASE, CONCRETE FOUNDATION, POLE MOUNTED TYPE "G" CABINET WITH CONTROLLER AND SIGNAL HEADS.
- INSTALL 3 IN. SCHEDULE 80 POLYVINYL CHLORIDE CONDUIT - BORED.

INSTALL PULL STRING IN CONDUIT FOR UTILITY COMPANY USE.

INSTALL APPROXIMATELY 510' FT. OF 3-IN. SCHEDULE 80 POLYVINYL CHLORIDE CONDUIT- TRENCHED, AND 30 FT. BORED AT ROADWAY ENTRANCE. INSTALL THREE ELECTRICAL HANDHOLES IN THIS AREA AS DIRECTED BY THE ENGINEER.

BY: Aaron Hottenstein Division: Transportation

GEOMETRIC LEGEND
— EXISTING
--- PROPOSED
UTILITY LEGEND
— 20" STORM DRAIN
— 12" GAS MAIN
— 12" WATER MAIN
— 12" SEWER MAIN
— 12" ELECTRIC CABLES
— 12" AERIAL CABLES
— 12" TELEPHONE CABLES
— 12" FIBER-OPTIC



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(410) 316-7800

APPROVALS
TEAM LEADER <i>Michael R. 10/11/05</i>
ASST. DIR. CHIEF <i>Michael R. 10/11/05</i>
DIVISION CHIEF <i>Michael R. 10/11/05</i>
OFFICE DIRECTOR <i>Michael R. 10/11/05</i>

REVISIONS

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION SEVERN FIRE STATION AT MD 170	
TRAFFIC SIGNAL PLAN	
SCALE 1" = 20' DATE 10/2/2005 CONTRACT NO. NONE	DESIGNED BY A.M.H. COUNTY ANNE ARUNDEL DRAWN BY G.C.J. LOGMILE 02017003.33 CHECKED BY J.E.L. T.I.M.S. NO. H233 F.A.P. NO. NONE TOD NO.
DRAWING NO. TS4452 OF	SHEET NO. 1 OF 3

PLOTTED: 10:55 PM on Wednesday, October 05, 2005
FILE: M:\2001\010107\1\drawings\p3g-P000_H233.dgn